

19. The method of Claim 1 wherein the said combustant is solid, liquid, or gas.

20. The method of Claim 1 wherein said combustant is a hydrocarbon.

ABSTRACT OF DISCLOSURE

038 The Automatic Furnace is a method for maintaining a desired CO, NO, or temperature range at the flue of a multiburner furnace. and includes delivering a the largest oxidant flow rate to the burner while repeatedly sequencing through the plurality of sequential flue parameter (delete doses) concentrations beginning with the lowest flue parameter (delete dose) concentration and proceeding to an adjacent flue parameter (delete dose) concentration in the sequence after a predetermined time interval has elapsed. The largest oxidant (delete dosage) flow rate is delivered until the flue parameter level attains the desirable range, at which point corresponding oxidant

(delete doses) flow rates and flue parameter (delete doses)
concentrations are selected from the plurality of sequential oxidant
(delete doses) flow rates and flue parameter (delete doses)
concentrations. The method also includes delivering the selected
oxidant (delete dose) flow rate and consequential flue parameter
concentration (delete dose) so as to maintain the desired flue
parameter range.